

Title (en)

IMAGING APPARATUS AND MONITORING SYSTEM

Title (de)

BILDBELEGUNGSVORRICHTUNG UND ÜBERWACHUNGSSYSTEM

Title (fr)

APPAREIL D'IMAGERIE ET SYSTÈME DE SURVEILLANCE

Publication

EP 3605176 A1 20200205 (EN)

Application

EP 19188812 A 20190729

Priority

JP 2018142871 A 20180730

Abstract (en)

An imaging apparatus (100) includes an image sensor (104), an angle controller (105) configured to change an angle between a plane orthogonal to an optical axis of an imaging optical system and an imaging plane of the image sensor, an illuminator (102); and an illumination controller (103) configured to change an optical axis direction of the illuminator based on the angle.

IPC 8 full level

G02B 7/00 (2006.01)

CPC (source: CN EP KR US)

G02B 7/005 (2013.01 - EP); **G03B 15/03** (2013.01 - CN US); **H04N 7/18** (2013.01 - KR); **H04N 7/183** (2013.01 - EP); **H04N 23/54** (2023.01 - EP); **H04N 23/56** (2023.01 - EP KR); **H04N 23/58** (2023.01 - EP); **H04N 23/69** (2023.01 - CN); **H04N 23/695** (2023.01 - KR); **H04N 23/74** (2023.01 - CN KR)

Citation (applicant)

- JP H11281879 A 19991015 - OLYMPUS OPTICAL CO
- JP 2013041282 A 20130228 - LG INNOTEK CO LTD

Citation (search report)

- [X] JP 2011043944 A 20110303 - DENSO WAVE INC
- [X] KR 20170012613 A 20170203 - FINE SEMITECH CORP [KR]
- [X] JP 2017161487 A 20170914 - MEDOREKKUSU:KK

Cited by

CN111629154A

Designated contracting state (EPC)

AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)

BA ME

DOCDB simple family (publication)

EP 3605176 A1 20200205; CN 110784657 A 20200211; CN 110784657 B 20210928; CN 113709379 A 20211126; JP 2020020894 A 20200206; JP 7182935 B2 20221205; KR 102523772 B1 20230420; KR 20200013598 A 20200207; US 11106114 B2 20210831; US 11656534 B2 20230523; US 2020033701 A1 20200130; US 2021247664 A1 20210812

DOCDB simple family (application)

EP 19188812 A 20190729; CN 201910697018 A 20190730; CN 202111137178 A 20190730; JP 2018142871 A 20180730; KR 20190088637 A 20190723; US 201916519265 A 20190723; US 202117240243 A 20210426